APFO Plan for implementing
the Stimulus Package (Imagery for the Nation component)

Imagery For The Nation

- The National Agriculture Imagery Program (NAIP) managed by FSA at APFO will be utilized for the 1 meter component of Imagery for the Nation
- The annual IFTN data is approximately 3 times greater the volume than NAIP 2008
- Build on existing NAIP management, acquisition, operations, infrastructure and procedures
- Joint effort with USGS EROS Data Center to develop IFTN Hosting and Archive Plan

Imagery Acquisition

- Utilize existing NAIP Contract which is currently in year 2 of 5 year IDIQ contract
- 2009 IFTN imagery acquisition estimates:
  - CONUS, Annual Collection: $42.6M
  - Hawaii/Insular Areas, year 1 of a 3 year cycle: $90K
  - Alaska, year 1 of a 5 year cycle: $900K (if USDA acquires)
- Total cost estimate: $43.59M

Data Management, Storage and Distribution

- Scale out of existing infrastructure and data management operations developed for NAIP
- Identified estimated costs:
  - Infrastructure Improvement: $1.65M
  - Operations and Maintenance: $1.23M
- Total cost estimate: $2.89M

Quality Assurance

- Use existing staff at APFO
- Modify existing procedures (smaller sampling rate, automate color quality assessment)
- Identified estimated costs:
  - Ground Control Points: $200,000
- Total cost estimate: $200,000

Total Costs

- Total cost estimate: $46.68M

Issues for OCIO:

- Additional OCIO staffing support for hosting and storage
- Purchasing- currently through OCIO, better handled through APFO
- Additional Bandwidth – current OC3 is inadequate